## REGIONAL MALARIA VACCINE DECISION-MAKING FRAMEWORK-DATA

Key:	National data	Global data
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										,	National data	Global data	
	Pre-licensure 5 years before licer	isure		Available data - Phase 3			Licensure 2 years after	licensure	Post-licensure 5 years after licensure				
Malaria disease burden	Reported and confirmed malaria- cases by related dea age group by age grou (critical data) (critical data)	up district	Malaria cases Economic in pregnant burden of women malaria and HIV+ population (critical data)				MALARIA VACC Update on curre situation (critical data)		Reported and confirmed clinical and severe malaria cases by age group (critical data)				
Other malaria interventions	Impact of Coverage current of current malaria malaria interventions interventio (critical data) (critical data)		Cost-effectiveness estimates of current malaria interventions (critical data)	effec			Changes in imp effectiveness of malaria interve	f other	Changes in impact and cost-effectiveness of other anti-malaria interventions (critical data)				
Malaria vaccine impact	Impact on mortality and mo (critical data)	orbidity by age group		Absolute impact	other malaria	Impact on epidemiology and morbidity by age group			Vaccine covera use of morbidii indicators for ir (critical data)	y and mortality	Effectiveness, inclu impact on: • Clinical disease • Severe disease • Anemia • Parasitemia (critical data)	ıding	
Economical and financial issues	public-sector estimates o	ublic-sector estimates of malaria vaccine investment ( DALYs, imp		Vaccine price for public (critical data)	Donor subsidy and sustainability of subsidy (critical data)	National affordability (critical data)	of donor subsidy	Sustainable national commitment (critical data)	Socio- economic impact (critical data)	Updated malaria vaccin cost-effectiveness data (critical data)		f recurrent costs, arketing and	
Malaria vaccine efficacy, quality and safety	Safety Adverse events (critical data	Interaction with other vaccines (critical data)	Efficacy (critical data)	Efficacy, impact: • Clinical disease • Severe disease • Anemia • Parasitemia (critical data)	in HIV+	Duration of efficacy (critical data)	Efficacy, quality, data from other (critical data)		Post-licensure safety and efficacy data (critical data)				
Programmatic considerations	Anticipated vaccine charact (critical data)	eristics and presenta	tion	Supply availability (critical data) Demand forecast (critical data)	HS capacity to accommodate vaccine (critical data)	Product Characteristics and storage information (critical data)	Defined target ; communication (critical data)		Evidence of supply security (critical data)				
Socio-cultural environment	Knowledge attitudes, and p communities towards vacci interventions		Community expectations of malaria vaccines in clinical trial areas						Community knowledge, attitudes, and practices related to vaccines and malaria interventions (critical data)				

## REGIONAL MALARIA VACCINE DECISION-MAKING FRAMEWORK-PROCESSES

		ensure before licensur	e	AVAILABLE D	ATA - PHASE 3	Licensure 2 years after licensure	DUCTION DECISION				Post-licensu 5 years after li	J <b>re</b> censure
	Establish technical working groupAssess and strengthen regulatory, ethics and dataIntegrate the vaccine into countries' multiyear strategic plans. Revise EPI and NMCG 		vaccine into countries' multiyear strategic plans. Revise EPI and NMCP strategic	Engage local private-sector partners and pharmaceutica companies	Develop communications plan on malaria vaccine (1 year before) and integrate it to multi-year EPI and NMCP	National regulatory authority reviews vaccine in consultation	National expert	malaria vaccine	Elaborate the vaccine introduction plan and programmatic guidelines (logistics, training, pharmacovigilance) (critical data)		Monitor vaccine performance and safety (critical data)	Monitor vaccine implementation (critical data)
			Conduct contingency advocacy to plan solicit government support	advocacy decision with national about	Develop plan for procure- ment and resource mobilization for financial sustainability (critical data)	plan for implementation and engage media (1-year after introduction	encourage (critical data) in-country		Evaluate vaccine Introduction impact on health system (critical data)			
Global processes	Integrate country requirements into product development plans (critical data) Conduct global advocacy to leverage funding (critical data)		Share information on vaccine research (critical data)		WHO issues policy recommending vaccine use (critical data)	Donors provide funding to support vaccine (critical data)	WHO issues prequalification (within1 year of licensure) (critical data)	prequalification for procurement (within 1 (within1 year year of licensure) of licensure)		Monitor vaccine per including evaluation safety, and pharmac (critical data)	of vaccine impact,	
	leverage funding			WHO publishes vaccine management and introduction guidelines (critical data)								